



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	PHOT
Course Number:	110
Descriptive Title:	Digital Image Editing
Division:	Fine Arts
Department:	Photography
Course Disciplines:	Photography
Catalog Description:	This course introduces students to professional digital image editing techniques using industry-standard software such as Adobe Lightroom Classic and Photoshop. Students will develop skills in file management, non-destructive editing, selection techniques, photo retouching, compositing, and preparing images for output across various media. Emphasis is placed on establishing efficient workflows from capture to final delivery while maintaining image quality and artistic integrity throughout the editing process.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	Photography 150 AND Photography 101
Enrollment Limitation:	
Hours Lecture (per week):	2
Hours Laboratory (per week):	4
Outside Study Hours:	3
Total Course Hours:	108
Course Units:	3
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	fall 1997
Transfer UC:	Yes
Effective Date:	fall 1997
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	
Term:	

Other:	
CalGETC:	
Term:	
Other:	
Student Learning Outcomes:	Upon completion of this course, students will be able to: 1. use non-destructive editing techniques to correct, improve and alter original photographs 2. perform intermediate-level portrait retouching and image enhancement 3. plan and create a complex photographic composite requiring multiple photographs specifically composed for digital manipulation.
Course Objectives:	1. Implement an efficient digital photography workflow from capture to output 2. Organize and manage digital image files using industry best practices 3. Perform non-destructive editing using Adobe Lightroom Classic or equivalent software 4. Apply advanced selection techniques in Adobe Photoshop 5. Execute intermediate-level retouching and image enhancement 6. Create composite images combining multiple photographic elements 7. Prepare files for various output formats, including print and digital media 8. Apply color management principles throughout the editing process
Major Topics:	Lecture Topics: I. Understanding Digital Photography Workflow A. The capture-to-output pipeline B. Hardware considerations (storage, processing, display) C. Software overview: Lightroom/Lightroom Classic and Photoshop roles in editing D. Creating an efficient workflow plan II. File Management Essentials A. Folder structures and file naming conventions B. Metadata implementation and standards C. Creating an organized archive system D. Backup strategies E. Hard drive management for photographers III. Import Processes A. Memory card handling best practices B. Import settings and options in Lightroom Classic C. File renaming during import D. Applying metadata during import E. Creating import presets IV. Lightroom Classic Fundamentals A. Understanding the Lightroom catalog system B. Interface customization and workspace setup C. Organizing with collections and smart collections D. Raw processing fundamentals E. Basic panel adjustments F. Histogram interpretation and clipping warnings G. White balance adjustments H. Exposure and tonal adjustments A. Export settings and presets J. Resizing and file format considerations V. Lightroom Classic - Intermediate

- A. Local adjustments: Graduated and radial filters
- B. Adjustment brush techniques
- C. HSL/Color panel for targeted color adjustment
- D. Split toning and color grading
- E. Lens corrections and perspective control
- F. Creating and applying develop presets
- G. Synchronizing adjustments across multiple images
- VI. **Adobe Photoshop Fundamentals**
 - A. Lightroom to Photoshop and back workflow
 - B. Workspace customization
 - C. Navigation tools and shortcuts
 - D. Understanding layers & masks
 - E. Using the crop, transform, and adjustment layers
 - F. Basic selection tools (Marquee, Lasso, Quick Selection, and Magic Wand)
 - G. Advance Selection Techniques (Refine Edge, Select Subject, Select & Mask)
 - H. Resizing
 - A. Export settings and preset
- VII. **Retouching – Skin & Portrait Enhancements**
 - A. Skin smoothing techniques
 - B. Frequency separation workflow
 - C. Eye enhancement
 - D. Teeth whitening and lip retouching
 - E. Hair cleanup and enhancement
- VIII. **Object and Landscape Retouching**
 - A. Content-Aware tools (Fill, Patch, Move)
 - B. Clone Stamp and Healing Brush techniques
 - C. Dust and spot removal
 - D. Perspective corrections
- IX. **Color Correction and Enhancement**
 - A. Color theory principles
 - B. Color Balance and Selective Color
 - C. Hue/Saturation adjustments
 - D. Curves for color correction
 - E. Camera Raw filter for global adjustments
- X. **Introduction to Compositing**
 - A. HDR (High Dynamic Range) imaging
 - B. Panoramic stitching
 - C. Focus stacking
 - D. Multiple exposure blending
 - E. Matching lighting, perspective, and depth
 - F. Using Layer Styles, Blending Modes, and Adjustment Layers
- XI. **Web and Print Output**
 - A. Color spaces and printer profiles
 - B. Soft proofing in Lightroom
 - C. Print sharpening in Photoshop
 - D. Creating test strips and evaluating them
- Lab Topics:**
 - I. **Digital Workflow and File Management**
 - A. Apply digital editing workflow from capture to output
 - B. Set up hard drive for effective file management
 - C. Create an efficient Lightroom Catalog

	D. Apply Web and Print Output II. Lightroom Exercises A. Navigating the editing workspaces B. Use Lightroom Classic to organize and select images C. Converting color images to black and white D. Apply global and local adjustments to photographs E. Use Sync and Presets to create a more efficient workflow III. Photoshop Exercises A. Use a variety of selection tools to select portions of images. Transform, copy and save selections B. Work with layers. Merge and flatten images C. Use adjustment layer masks for non-destructive image enhancement D. Make color adjustments on images IV. Retouching and Compositing A. Apply retouching and enhancing techniques on Portrait, Landscape and Product Photographs to produce optimal effects B. Create composite images using more than three original photographs V. Presentation, Analysis, and Critique A. Presentation of final images
Total Lecture Hours:	36
Total Laboratory Hours:	72
Total Hours:	108
A.1. Primary Methods of Evaluation (Part 1 - CCN courses only):	
A.2. Primary Method of Evaluation (Part 2 - all courses; choose one):	3) Skills demonstration
Typical Assignment Using Primary Method of Evaluation:	Plan a composite photograph comprising at least three separate images. Decide on the quality and direction of light for the final composite image. Light and photograph all three images. Realistically composite the images together using image editing software. Output to 8x10" at 300 pixels per inch (ppi).
Critical Thinking Assignment 1:	Create a single image that suggests a passage of time.
Critical Thinking Assignment 2:	Analyze and discuss the impact of editing strategies of your peers' work. Suggest where the editing can be refined and how best to make those changes.
Other Evaluation Methods:	Class Performance, Homework Problems, Portfolio Presentation, Critique
Instructional Methods:	Demonstration, Discussion, Group Activities, Lab, Lecture, Multimedia presentations
If other:	Internet Presentation/Resources
Work Outside of Class:	Observation of or participation in an activity related to course content (such as theatre event, museum, concert, debate, meeting), Problem solving activity, Skill practice, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Texts:	<u>Conrad Chavez</u> , Adobe Photoshop Classroom in a Book 2025 Release, Adobe Press, 2025

Alternative Texts:	
Required Supplementary Readings:	Online tutorials provided by software manufacturer, blogs, and websites.
Other Required Materials:	Computer data storage device, studio tools
Requisite:	
Category:	
Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	
Requisite Skill:	
Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	Phot 150 AND Phot 101
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	Prior experience with photographic composition will help student to succeed. PHOT 150 - Define terminology as it pertains to style, form, visual elements, principles of design, and technical processes. Compose photographic images applying the design elements of line, shape, and form. PHOT 101 - Compose photographic images applying the design elements of line, shape, and form.
Requisite Skill:	
Requisite Skill and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable	

Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	Joyce Dallal
Date:	10/04/1994
Original Board Approval Date:	03/20/1995
Last Reviewed and/or Revised by:	Weng San Sit
Date:	03/27/2025
Last Board Approval Date:	06/26/2025
Effective Term:	FA 2026